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## TRANSMITTAL LETTER TO THE UNITED STATES **DESIGNATED/ELECTED OFFICE (DO/EO/US)**

ATTORNEY'S DOCKET NUMBER PHUS030240US

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

CONCERNING A SUBMISSI	10/565289										
INTERNATIONAL APPLICATION NO. PCT/IB2004/002331	July 16,	TIONAL FILING DATE 2004	PRIORITY DATE CLAIMED July 23, 2003								
TITLE OF INVENTION  EFFICIENT MAPPING OF RECONSTRUCT	TLE OF INVENTION FFICIENT MAPPING OF RECONSTRUCTION ALGORITHMS FOR MAGNETIC RESONANCE IMAGING ONTO A										
APPLICANT(S) FOR DO/EO/US Ingmar Graesslin, Holger Eggers											
pplicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:											
1.  This is a FIRST submission of items c	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.										
2.	This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.										
3. This is an express request to begin na (5), (6), (9) and (21) indicated below.											
4. The US has been elected (Article 31).	The US has been elected (Article 31).										
5. A copy of the International Application	A copy of the International Application as filed (35 U.S.C. 371(c)(2))										
a. 🚺 is attached hereto (require	a.  is attached hereto (required only if not communicated by the International Bureau).										
b. As been communicated b	b. In the best of the International Bureau.										
c. is not required, as the app	c. is not required, as the application was filed in the United States Receiving Office (RO/US).										
6. An English language translation of the	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).										
a. is attached hereto.	a. is attached hereto.										
	b. has been previously submitted under 35 U.S.C. 154(d)(4).										
7. Amendments to the claims of the Int	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))										
a. are attached hereto (requ	a. are attached hereto (required only if not communicated by the International Bureau).										
b. have been communicated	b. have been communicated by the International Bureau.										
c. have not been made; how	c. have not been made; however, the time limit for making such amendments has NOT expired.										
d. A have not been made and	d. An have not been made and will not be made.										
8. An English language translation of t	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).										
9. An oath or declaration of the invento	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).										
10. An English language translation of the Article 36 (35 U.S.C. 371(c)(5)).	An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).										
Items 11 to 20 below concern document(	Items 11 to 20 below concern document(s) or information included:										
11. An Information Disclosure Statemen	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.										
12. An assignment document for record	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.										
13. A preliminary amendment.		CERTIFICATE OF EXPRESS MAIL									
14. An Application Data Sheet under 37	CFR 1.76.	Express Mail No. EK 419167900 I Date of Deposit January 20, 200									
15. A substitute specification.	•	I hereby certify that this paper and the Mail's service under 37 C.F.R. 1.10 Patents, P.O. Box 1450 Alexandria	ee is being deposited with the United States Postal Service "Express on the date indicated above and is addressed to the Commissioner for 1. VA 22313-1450.								
16. A power of attorney and/or change of	of address letter.	Patricia A. Heim Patrici	a a Hein								
17. A computer-readable form of the sec	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.										
18. A second copy of the published Intel	A second copy of the published International Application under 35 U.S.C. 154(d)(4).										
19. A second copy of the English langua	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).										
20. Other items or information:	Other items or information:										

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 CFR 1.414 and 1.491-1.492. The information is required to obtain of retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mall Stop PCT, Commissioner for Patents P.O. Rox 1450, Alexandria VA 22313-1450.

IAP20 R30 D P10-1390 (Rev. 02-2005)
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U.S. APPLICAT	ION NO. (if known	n, see 37 CFR 1.5)				ATTORNEY'S DOCKET NUMBER PHUS030240US			
10/565289 PCT/IB2004/002331									
The following fees have been submitted  21. Basic national fee \$300							PTO USE ONLY		
22.	nination fee	\$	300.00						
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) \$100 All other situations\$200						200.00			
23. Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority									
International Search Report prepared and provided to the Office						400.00			
TOTAL OF 21, 22 and 23 =						900.00			
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.									
Total Sheets	Extra Sheets		Number of each additional 50 or fraction RATE thereof (round up to a whole number)						
- 100 =	/50 =		× \$250		\$				
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).									
CLAIMS	NUME	BER FILED	NUMBER EXTRA	RATE	\$				
Total claims	22	- 20 =	2	× \$ 50	\$	100.00			
Independent clair	ms 2	- 3 =	0	x \$200	\$				
MULTIPLE DEPE	ENDENT CLAIM(	S) (if applicable)		+ \$360	\$				
TOTAL OF ABOVE CALCULATIONS =						1000.00			
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.									
				SUBTOTAL =	\$	1000.00			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).						\$			
TOTAL NATIONAL FEE =						\$ 1000.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +						\$ 40.00			
TOTAL FEES ENCLOSED =						\$ 1040.00			
						Amount to be refunded:			
					Am	ount to be rged:	\$		
a. A check in the amount of \$ to cover the above fees is enclosed.									
b. Please charge my Deposit Account No. 14-1270 in the amount of \$ 1040.00 to cover the above fees.  A duplicate copy of this sheet is enclosed.									
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1270 A duplicate copy of this sheet is enclosed.									
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.									
NOTE: Where a	n appropriate tim	e limit under 37 C	FR 1.495 has not been me		(37 (	CFR 1.137(a) or (b))	must be filed		
and granted to restore the International Application to pending status.									
SEND ALL CORRESPONDENCE TO:  SIGNATURE						<u></u>			
Customer Number 38107 Thomas M						ndin			
NAME 48,979									
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